

MAR 10 2004

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete if Known	
Application Number	10/647,794
Filing Date	August 25, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	Not assigned 2679
Examiner Name	Not assigned E. Relling
Confirmation No.	2005
Attorney Docket No.	789_115

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
<i>AK</i>	BA	5,874,802	02-23-1999	Choi et al.	—	—	—	—
<i>AK</i>	BB	2002/0153827	10-24-2002	Takeuchi et al.	—	—	—	—

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
<i>AK</i>	BC	1-311533 A	12-15-1989	JP				✓
<i>AK</i>	BD	7-147131 A	06-06-1995	JP			JPO Machine Translation	✓
<i>AK</i>	BE	2000-285801 A	10-13-2000	JP			JPO Machine Translation	✓
<i>AK</i>	BF	46-20944	06-12-1971	JP			✓	
<i>AK</i>	BG	44-26125	11-04-1969	JP			✓	
<i>AK</i>	BH	11-185600	07-09-1999	JP			JPO Machine Translation	✓
<i>AK</i>	BI	10-27539 A	01-27-1998	JP			JPO Machine Translation	✓
<i>AK</i>	BJ	11-288249 A	10-19-1999	JP			JPO Machine Translation	✓
<i>AK</i>	BK	63-150837 A	06-23-1988	JP				✓
<i>AK</i>	BL	09-090882 A	04-04-1997	JP			JPO Machine Translation	✓
<i>AK</i>	BM	59-208587	11-26-1984	JP			Partial	
<i>AK</i>	BN	3160213 B2	02-16-2001	JP			JPO Machine Translation	✓
<i>AK</i>	BO	0 953 958 A2	11-03-1999	EP				
<i>AK</i>	BP	2000-310970 A	11-07-2000	JP			JPO Machine Translation	✓
<i>AK</i>	BQ	02/052600 A1	07-04-2002	WO			WO Machine Translation	✓

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

				<i>Complete if Known</i>	
				Application Number	10/647,794
				Filing Date	August 25, 2003
				First Named Inventor	Yukihisa TAKEUCHI
				Art Unit	Not assigned 2877
				Examiner Name	Not assigned Elizabeth Riege
				Confirmation No.	2005
Sheet	2	of	2	Attorney Docket No.	789 115

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages etc.)

<i>BR</i>	BR	Yasuoka, Ishii, "Pulsed Electron Source Using a Ferroelectric Cathode," Tokyo Institute of Technology, Vol. 68, No. 5, 7 January 1999, pp. 546-550.
<i>BS</i>	BS	Puchkarev, Victor F. and Mesyats, Gennady A., "On the Mechanism of Emission from the Ferroelectric Ceramic Cathode," Journal of Applied Physics, Vol. 78, No. 9, 1 November 1995, pp. 5633-5637.
<i>BT</i>	BT	Riege, H., "Electron Emission from Ferroelectrics - a Review," Nucl. Instr. and Meth. A340, 1994, pp. 80-89.
<i>BU</i>	BU	Masatoshi Miyake et al., "Electron Emission from Ferroelectric Cathodes Excited by Pulsed Voltage," Tokyo Institute of Technology, Vol. 119, No. 5, 1999 pp. 622-627.

Examiner:	<i>Elizabeth Riege</i>	Date Considered:	<i>8/2/05</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet	1	of	1	Attorney Docket No.	789_115
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Complete if Known

Application Number	10/647,794
Filing Date	August 25, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	Not assigned 2879
Examiner Name	Not assigned <i>L. Rulley</i>
Confirmation No.	2005

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
<i>g</i>	BV	5,280,221	01/18/1994	Okamoto et al.	—	—	—	—
<i>g</i>	BW	5,747,926	05/05/1998	Nakamoto et al.	—	—	—	—
<i>g</i>	BX	6,198,225	03/06/2001	Kano et al.	—	—	—	—
<i>g</i>	BY	6,479,924	11/12/2002	Yoo	—	—	—	—

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
<i>g</i>	BZ	2675306	10/16/1992	FR	—	—	—	✓
<i>g</i>	CA	2789221	08/04/2000	FR	—	—	—	✓
<i>g</i>	CB	2789223	08/04/2000	FR	—	—	—	✓
<i>g</i>	CC	10057072	05/23/2001	DE	—	—	—	✓
<i>g</i>	CD	0 353 632	02/07/1990	EP	—	—	—	✓

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages etc.)

<i>g</i>	CE	G. Benedek et al., "Electron Emission From Ferroelectric/Antiferroelectric Cathodes Excited by Short High-Voltage Pulses", Journal Applied Physics, Vol. 81, No. 3, 1 February 1997, pages 1396-1403
<i>g</i>	CF	Gundel, H. et al., "Low Pressure Hollow Cathode Switch Triggered by a Pulsed Electron Beam Emitted From Ferroelectrics", Applied Physics Letter, American Institute of Physics, New York, US Vol. 54, No. 21, 22 May 1989, pages 2071-2073
<i>g</i>	CG	Gundel, H. et al., "Time-Dependent Electron Emission From Ferroelectrics by External Pulsed Electric Fields", Journal of Applied Physics, American Institute of Physics, New York, US Vol. 69, No. 2, 15 January 1991, pages 975-982

Examiner:	<i>L. Rulley</i>	Date Considered:	<i>8/2/05</i>
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Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known				
				Application Number	10/647,794			
				Filing Date	August 25, 2003			
				First Named Inventor	Yukihisa TAKEUCHI			
				Art Unit	Not assigned 2879			
				Examiner Name	Not assigned E. Relling			
				Confirmation No.	2005			
Sheet	1	of	1	Attorney Docket No.	789_115			

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
EJ	CH	10/808,258	3/24/2004	Takeuchi et al	789_123	—	—

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	<i>Elizabeth Relling</i>	Date Considered:	<i>8/2/05</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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JUL 28 2004

<i>Complete if Known</i>			
Application Number	10/647,794		
Filing Date	August 25, 2003		
First Named Inventor	Yukihisa TAKEUCHI		
Art Unit	Not assigned 2879		
Examiner Name	Not assigned C. Kelley		
Confirmation No.	2005		
Sheet	1	of	1
		Attorney Docket No.	789_115

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
<i>8</i>	CI	3214256	7/27/2001	JP	—	—	Complete English Translation	

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	<i>C. Kelley</i>	Date Considered:	<i>8/2/05</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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AUG 13 2004
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT BY APPLICANT
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				Complete if Known				
Application Number				10/647,794				
Filing Date				August 25, 2003				
First Named Inventor				Yukihisa TAKEUCHI				
Art Unit				Not assigned 2879				
Examiner Name				Not assigned E. Ruhler				
Confirmation No.				2005				
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U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
<i>SL</i>	CJ	05-325777	12/10/1993	JP	—	—	✓	✓
<i>SL</i>	CK	08-111166	04/30/1996	JP	—	—	✓	✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	<i>Eugene Ruhler</i>	Date Considered:	<i>8/2/15</i>
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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SEP 03 2004

PTO-1449

Complete if Known

Application Number	10/647,794
Filing Date	August 25, 2003
First Named Inventor	Yukihisa TAKEUCHI
Art Unit	Not assigned 2879
Examiner Name	Not assigned E. Rietley
Confirmation No.	2005

Sheet 1 of 1 Attorney Docket No. 789_115

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
E	CL	6,313,815	11/06/2001	Takeda et al.	—	—	—	—
E	CM	6,285,123	09/04/2001	Yamada et al.	—	—	—	—
E	CN	5,666,019	09/09/1997	Potter	—	—	—	—

U.S. RELATED COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
E	CO	10/919,747	08/17/2001	Takeuchi et al.	789_118 CIP2	—	—
E	CP	10/901,932	07/29/2004	Takeuchi et al.	789_118 CIP5	—	—
E	CQ	10/919,678	08/17/2004	Takeuchi et al.	789_133	—	—

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:

E. Rietley

Date Considered:

8/2/05

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O I P E
SEP 24 2004INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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		Application Number	10/647,794		
		Filing Date	August 25, 2003		
		First Named Inventor	Yukihisa TAKEUCHI		
		Art Unit	Not assigned 2879		
		Examiner Name	Not assigned E. Rieley		
		Confirmation No.	2005		
Sheet		Attorney Docket No.	789_115		

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
ER	CR	2002/0060516 A1	05/23/2002	Kawate et al.	—	—	—	—
ER	CS	6,580,108 B1	06/17/2003	Utsumi et al.	—	—	—	—
ER	CT	6,452,328 B1	09/17/2002	Saito et al.	—	—	—	—
ER	CU	6,469,452 B2	10/22/2002	Seo et al.	—	—	—	—
ER	CV	6,359,383 B1	03/19/2002	Chuang et al.	—	—	—	—
ER	CW	6,274,881 B1	08/14/2001	Akiyama et al.	—	—	—	—
ER	CX	6,184,612 B1	02/06/2001	Negishi et al.	—	—	—	—
ER	CY	6,153,978	11/28/2000	Okamoto	—	—	—	—
ER	CZ	6,040,973	03/21/2000	Okamoto et al.	—	—	—	—
ER	DA	5,990,605	11/23/1999	Yoshikawa et al.	—	—	—	—
ER	DB	5,877,594	03/02/1999	Miyano et al.	—	—	—	—
ER	DC	5,729,094	03/17/1998	Geis et al.	—	—	—	—
ER	DD	5,726,524	03/10/1998	Debe	—	—	—	—

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:

Elizabeth Rieley

Date Considered:

8/2/05

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OCT 01 2004

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Complete if Known			
Application Number		10/647,794	
Filing Date		August 25, 2003	
First Named Inventor		Yukihisa TAKEUCHI	
Art Unit		Not assigned 2879	
Examiner Name		Not assigned E. Reiley	
Confirmation No.		2005	
Sheet	1	of	1
		Attorney Docket No. 789_115	

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

<i>E</i>	DE	Kanemaru, Seigou, "Featuring: All About Flat Displays 2000, Leading Technological Trend of FEDs," Electronic Engineering, Nikkan Kogyo Shimbun, Ltd., July 2000, pp. 38-41 (with partial translation).

Examiner:	<i>Elizabeth Reiley</i>	Date Considered:	<i>8/2/05</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OCT 29 2004
U.S. PATENT & TRADEMARK OFFICE

				Complete if Known				
				Application Number	10/647,794			
				Filing Date	August 25, 2003			
				First Named Inventor	Yukihisa TAKEUCHI			
				Art Unit	Not assigned 2879			
				Examiner Name	Not assigned E. Kelly			
				Confirmation No.	2005			
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U.S. PATENT DOCUMENTS

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U.S. RELATED COPIENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
E	DF	10/951,509	09/28/2004	Takeuchi et al.	789_118 CIP3	—	—
E	DG	10/950,976	09/27/2004	Takeuchi et al.	789_118 CIP6	—	—
E	DH	10/952,524	09/28/2004	Takeuchi et al.	789_135	—	—
E	DI	10/951,832	09/28/2004	Takeuchi et al.	789_136	—	—

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:

Elizabeth Kelly

Date Considered:

8/2/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*In accordance with the Notice signed September 21, 2004 on the PTO website, we are not enclosing copies of any of the above U.S. references or copending applications filed on or after June 30, 2003.

MAR 02 2004

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
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PATENT & TRADEMARK OFFICE
U.S. DEPARTMENT OF COMMERCE

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Attorney Docket No.

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First Named Inventor	Yukihsa TAKEUCHI
Art Unit	Not assigned 2679
Examiner Name	Not assigned E. Ralley
Confirmation No.	2005

789_115

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
AJ	AJ	5,508,590	04/16/1996	Sampayan et al.	—	—	—	—
AK	AK	5,453,661	09/26/1995	Auciello et al.	—	—	—	—
AL	AL	6,157,145	12/5/2000	Vollkommer et al.	—	—	—	—

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
AM	AM	10/719,521	11/21/2003	Takeuchi et al.	789_120	—	—
AN	AN	10/719,596	11/21/2003	Takeuchi et al.	789_121	—	—
AO	AO	10/730,754	12/08/2003	Takeuchi et al.	789_118 CIP	—	—
AP	AP	10/731,901	12/09/2003	Takeuchi et al.	789_122	—	—

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
AQ	AQ	3833604	04/05/1990	DE	—	—	✓	
AR	AR	2639151	05/18/1990	FR	—	—	✓	
AS	AS	428853	05/29/1991	EP	—	—	✓	

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages etc.)

Examiner:

E. Ralley

Date Considered:

8/20/05

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Form PTO-1449				<i>Complete if Known</i>				
				Application Number	10/647,794			
				Filing Date	August 25, 2003			
				First Named Inventor	Yukihsa TAKEUCHI			
				Art Unit	Not assigned 2879			
				Examiner Name	Not assigned E. Kelley			
				Confirmation No.	Unknown			
Sheet	1	of	1	Attorney Docket No.	789_115			

U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

U.S. COPENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class
g	AA	10/374,955	02/25/2003	Takeuchi et al.	789_105	—	—
g	AB	10/459,415	06/11/2003	Takeuchi et al.	789_108 CIP	—	—
g	AC	10/459,110	06/11/2003	Takeuchi et al.	789_109 CIP	—	—
g	AD	10/459,416	06/11/2003	Takeuchi et al.	789_110 CIP	—	—
g	AE	10/459,386	06/11/2003	Takeuchi et al.	789_111	—	—
g	AF	10/673,384	09/26/2003	Takeuchi et al.	789_116	—	—
g	AG	10/671,763	09/26/2003	Takeuchi et al.	789_117	—	—
g	AH	10/678,958	10/03/2003	Takeuchi et al.	789_118	—	—
g	AI	10/699,186	10/31/2003	Takeuchi et al.	789_119	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

Examiner:	<i>Elizabeth Kelley</i>	Date Considered:	<i>8/2/05</i>
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